7inch GPS navingator

USER MANUAL

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8 PRECAUTION .....Error! Bookmark not defined.

1 APPLICATION RANGE

- The introduction standard applies to A-731 GPS Products.
- The manual contains comprehensive information of specification and use guidance.

2 Standard

- Operation standard of Navigation software

3 Product description

- 7 inch TFT touch screen, display resolution is 480×234
- Stereo audio out, built in 1W hi-fi speaker, adjustable volume
- Key-press and touch screen operate
- built in SiRF STAR III GPS modules
- Support TMC function
- GPS antenna built in ， can be connected with external antenna

- Allowed to load the map in SD card and nandflash
- Auto checking AV-IN audio signal
- Support outside AV audio and video signal input
- Inbuilt Bluetooth
- FM function
- Video player support: asf,avi,mp4,wmv
- Audio player support: mp3,wav,mid
- Picture viewer support: BMP,JPG,PNG,GIF;
- File viewer support: TXT
- Inbuilt Long-life rechargeable DC12V lithium battery , can be connected CIG-LIGHT directly
- Double indication light: red light on means charging, full charge turn to green

*1: picture can be changed according to models

4 Specifications

Environment parameters	
Size	210mm*110mm*25.5mm
Operation temperature	-10℃ ~ +70℃
Storage temperature	-40℃ ~ +80℃
Operation humidity	45% ~ 80%RH
Storage humidity	30% ~ 90%RH
Atmospheric pressure	860MBar ~ 1060Mbar

System parameters

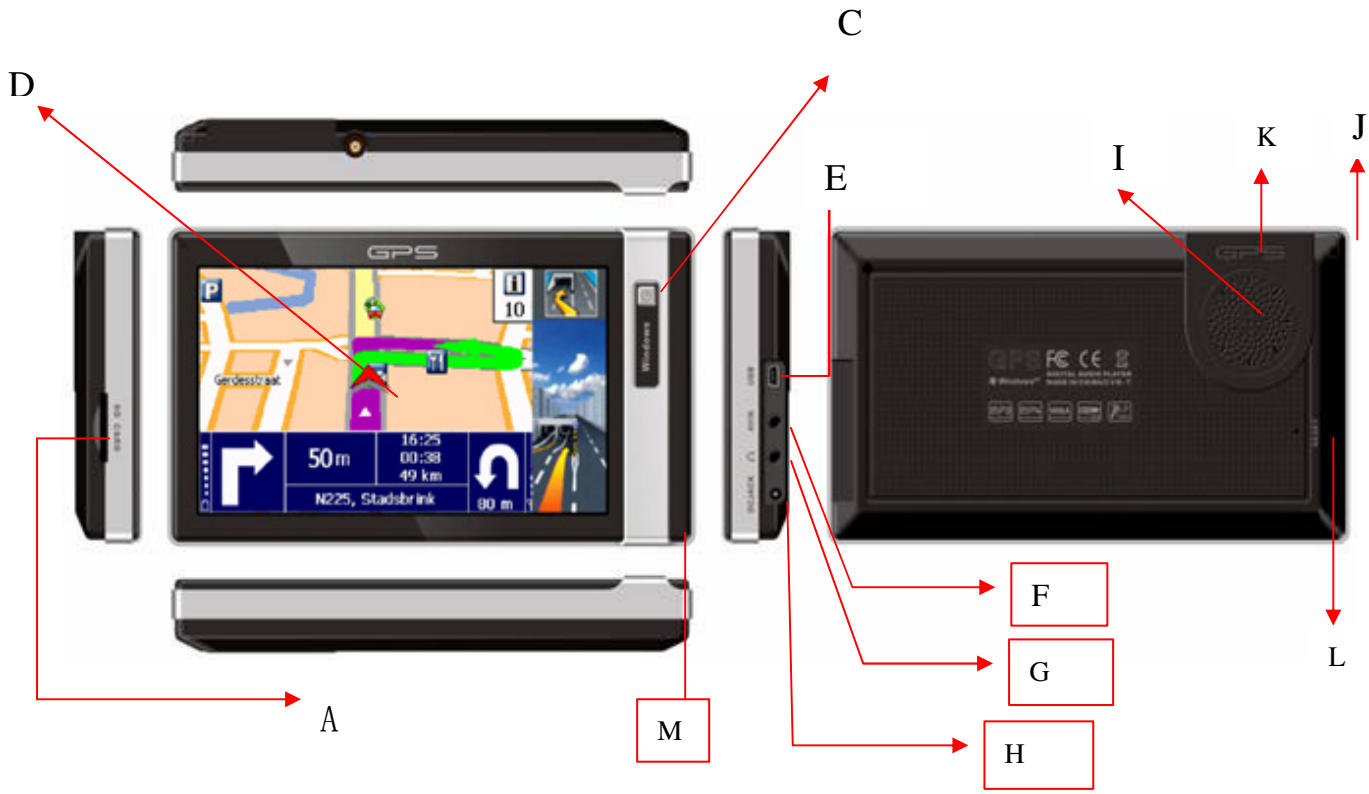
Operation frequency	400MHZ
MCU	SAMSUNG S3C2440A-40
SDRAM	64MB
NAND FLASH	64MB/128MB(customer optional, upto 1GB)
Navigation software	SD card or NAND FLASH built in
Operating system	WINCE 4.2 NET
Compiler type	ARMV4

General parameters	
Video output	CVBS/NTSC
Video voltage	1.0Vpp/75 OU
TFT size	7inch
Display solution	480x234
VOICE OUTPUT	Mixed-track CD sound quality
Sound power	Double track earphone 0.25W/CHANEL, single channel 8ou/1W
average power	1.5W
Idle	24mW
DC voltage input	DC 9 --30V
Battery	In built Rechargeable 1100mAH lithium battery
Battery time	2Hours normal use;600 hours in sleeping

GPS hardware parameters	
Chip Set	SiRF Star III
Frequency	1.575GHZ
C/A CODE	1.023 MHZ chip rate
Channels	20 Channels
Tracking sensitivity	-159dBm
Precision	10m, 2D RMS 5m, 2D RMS, WAAS enable
Rate	0.1m/s
Data update	1HZ
Requisition time	Average 0.1s
Hot start time	Average 1s
Warm start time	Average 38s
Cold start time	Average 42s
Altitude (max)	18,000m
Maximum Velocity	515m/s
Acceleration	< 4g
internal Antenna	Active antenna bulit in
internal Antenna gain	27dB

Internal Antenna voltage	3.3V±5%
Internal Antenna current	15mA
External antenna type	MMCX
External antenna voltage	3.3V±5%
External antenna gain	27dB
External antenna current	15mA

5 Operating introduction(clients should adjustthe following contents according to their own mould)



Ref	explain	Ref	explain
A	SD Card vertical slot	G	Headphone cell
B	External antenna	H	Power DC seat
C	“POWER”key	I	speaker

D	7 inch TFT-LC “RETURN”	J	Stylus pen
E	USB connector	K	GPS inbuilt antenna
F	AV-IN	L	Reset key
M	Microphone jackl		Flip antenna
M	Interface		

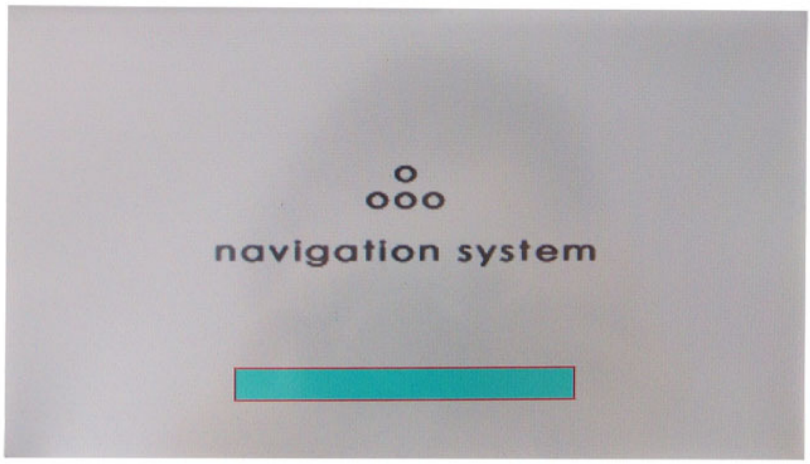
6 GPS Accessories list:

- A car charger DC(￠4.0mm) or A 100~220V into DC12V charger .
- A Stylus pen
- An AVIN connect line

7 Operation：

7.1 Power On/Off：

- Press “**POWER**”（C）for more than 3s,loading with company LOGO 。



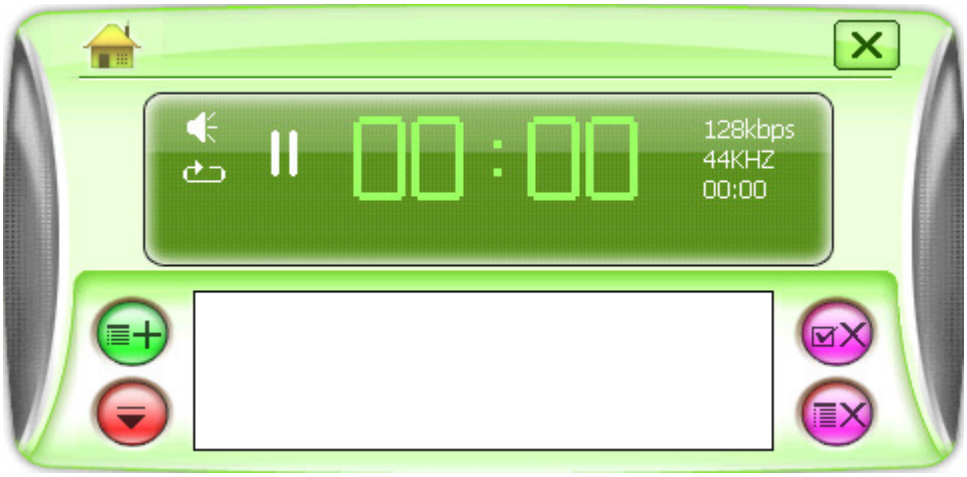
- In working, press “**POWER**”（C），into sleeping (thrift power) , press “**POWER**”（C）again，system get right in 1s . as follows：

◆ In working, long press “**POWER**”（C）3S,into the “power off”， as follows

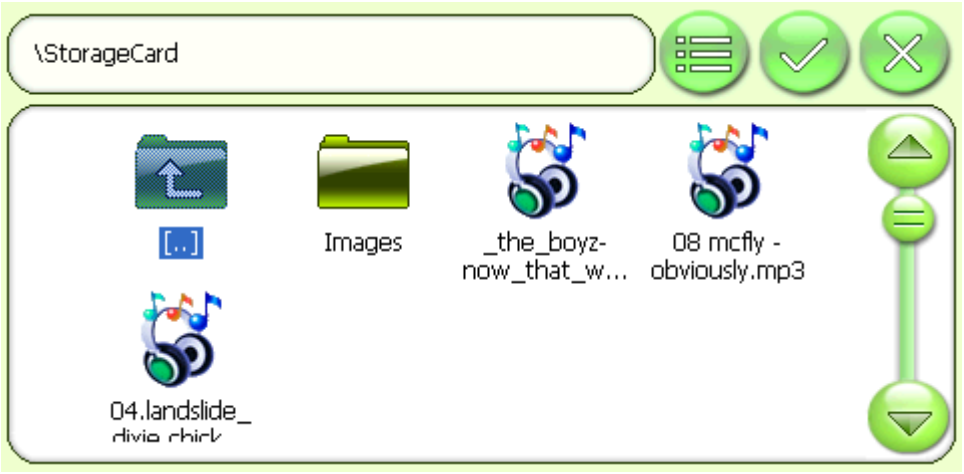
7.2 Music player interface：

◆ In console interface ，as follows：

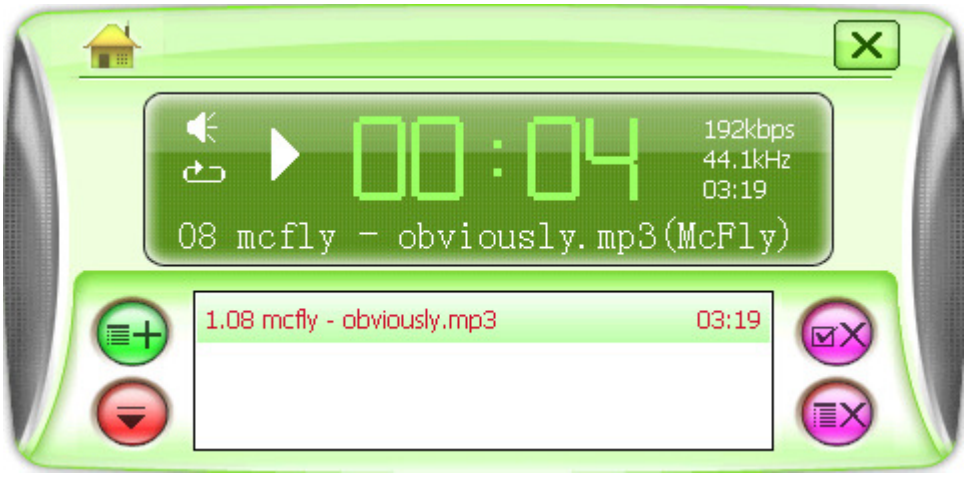
press“ ”，to enter to music player interface，as follows：



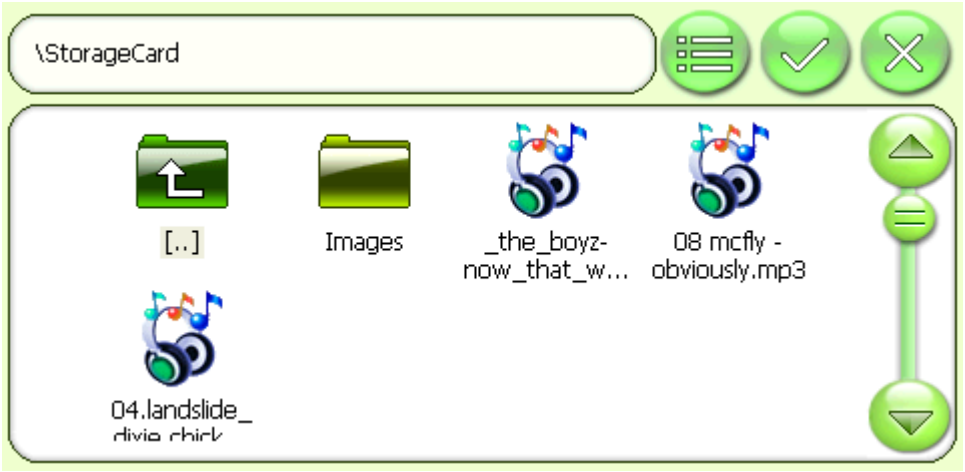
press“ ”, to choose audio documentary route as follows：



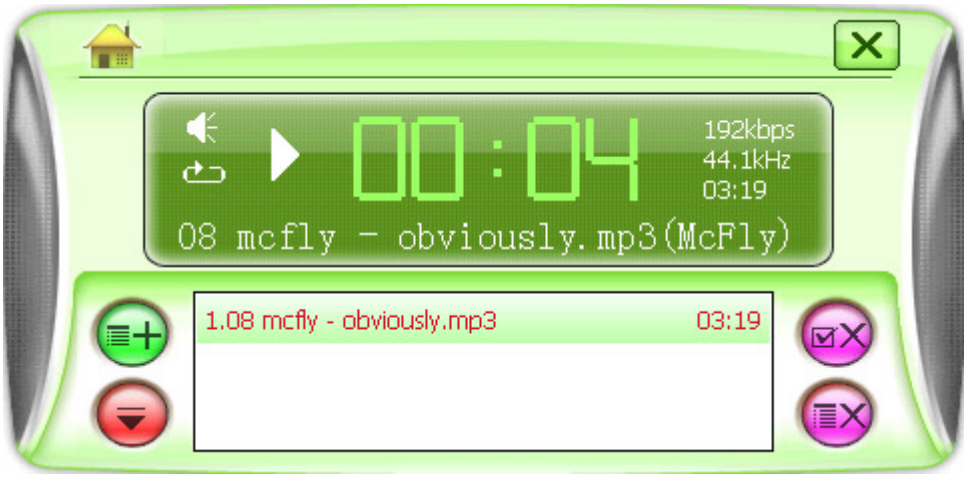
click “ ” or double click file name, enter the music player interface，as follows：



click“ ” can check all files, as follows：



click“ ” to go back up music player interface：



click“ ”to keep on add audio files

click“ ”to go back to music player interface

click“ ”play music

click“ ”to pause;

click“ ”to nest;

click“ ”to last;

click“ ”to play circularly;

click“ ”to play orderly;

click“ ”speaker work;

click“ ” mute;

click“ ”delete pitching file;

click“ ”delete all files;

click“ ”to exit music player interface;

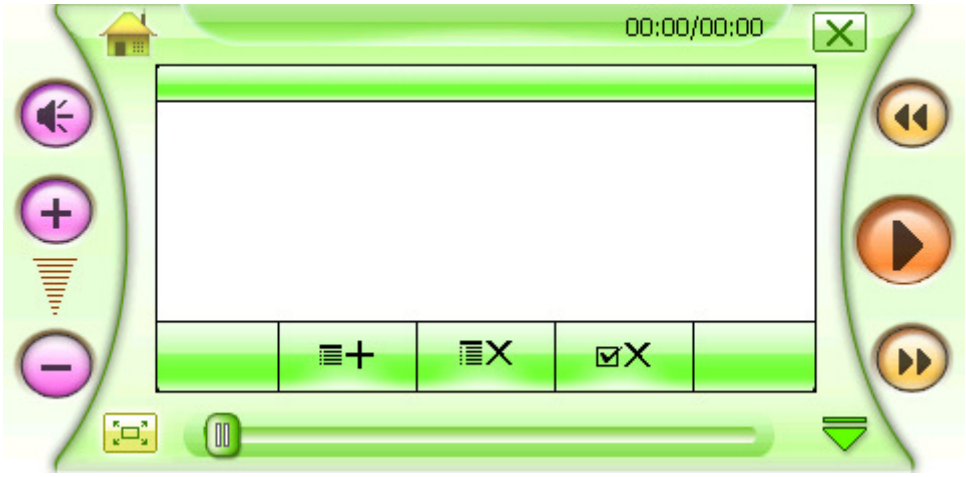
click“ ”into background play;

click“ ”to adjust volume;

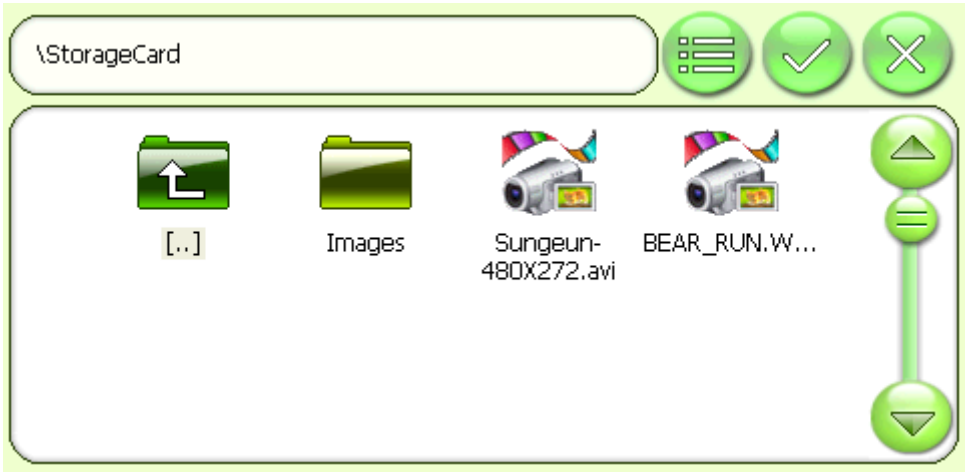
7.3 Video player interface：

- In main screen menu ,as follows：

click“ ” to enter video player interface, as follows:

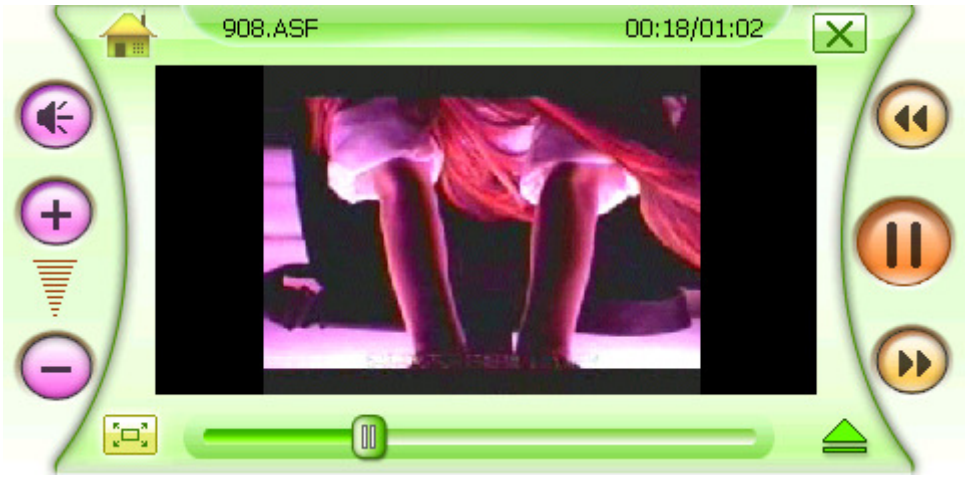


click“ ”, to choose video file route, as follows:

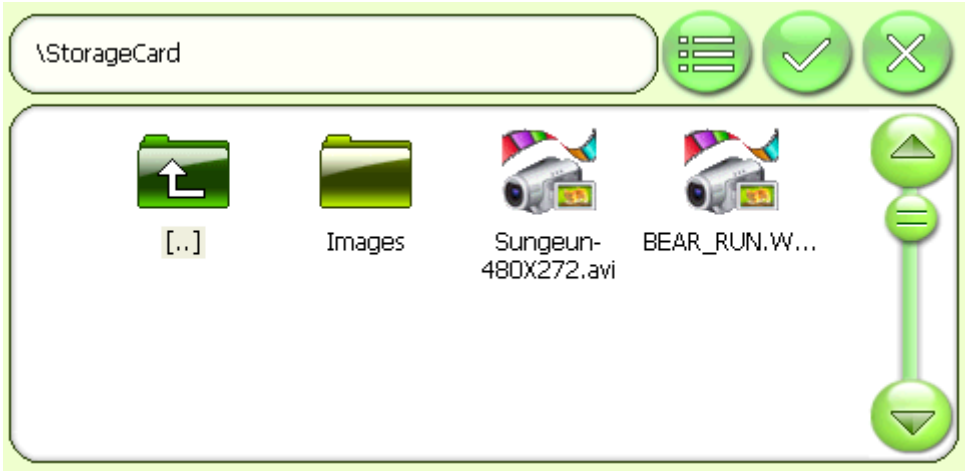


Choose video file, click “ ” or double click file name to go back to video player

interface，as follows：



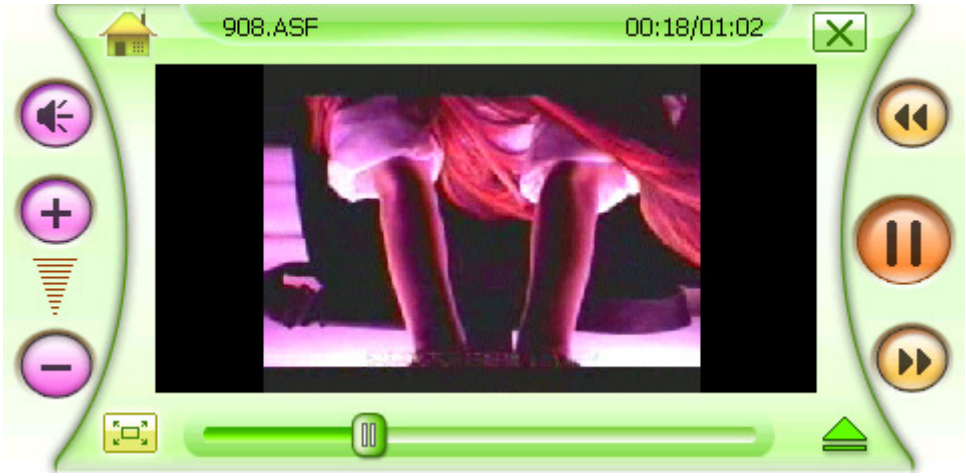
Or click“ ”choose all files, as follows:



Click “ ” to go back video player interface：

click“ to keep on adding video file,， click “ ” to go back video player.

click“ ” to play video；or dblclick video file name to play，as follows:



clisk” ”, to full screen, as follows:

click “ ”to mute；

click “ ” to speaker working；

click “ ” to next video file；

click “ ” to last video file；；

click “ ” delete pitching file；

click “ ” to delete all the files；

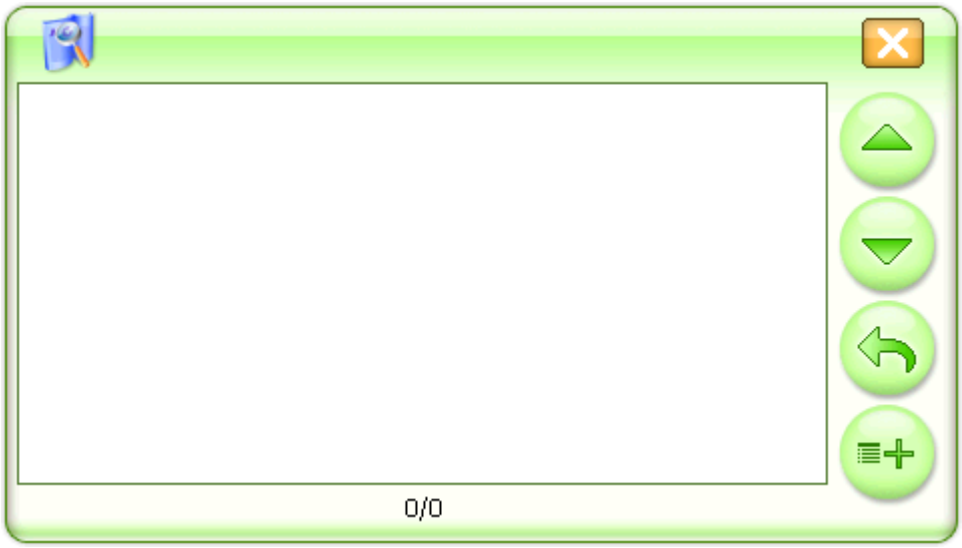
click “ ” to exit music player interface.

Adjusting volume in volume loading bar “ ”
play rate in play loading bar;

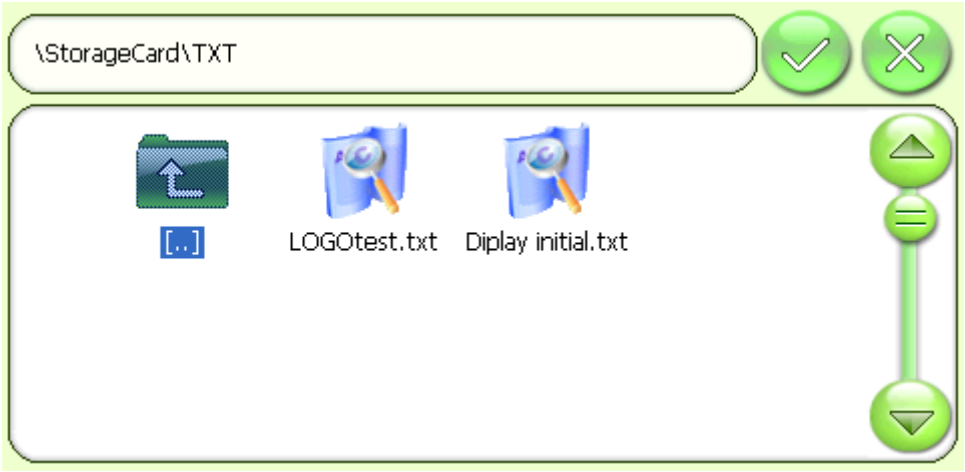
7.4 Text Viewer interface：

- In main screen menu，as follows：

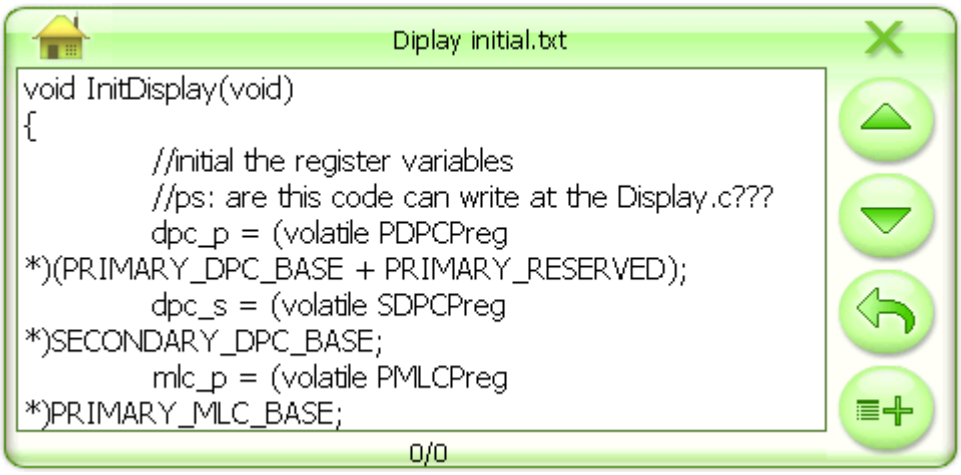
click“ ” to enter Text Viewer，as follows：



1、click “ ”，，to choose text file’s route，as follows：



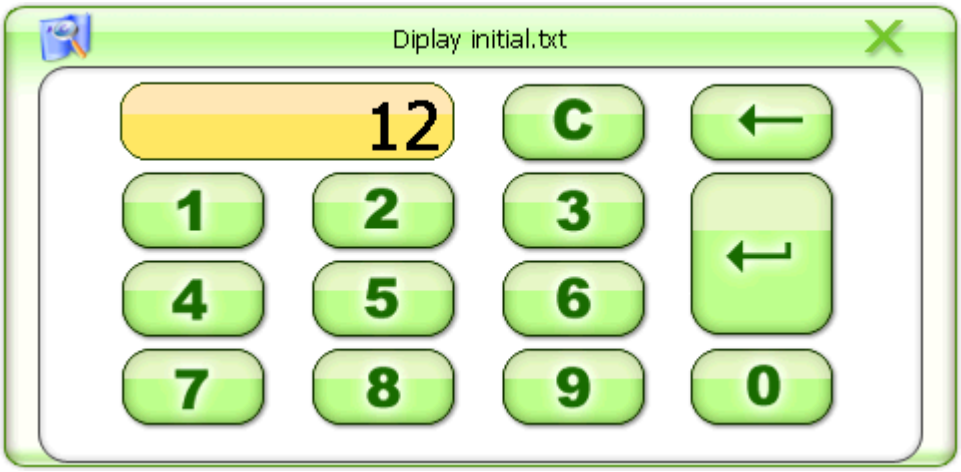
2、pitch on text file ， click “ ” or dblclick file name, go back to “Text Viewer”，as follows：



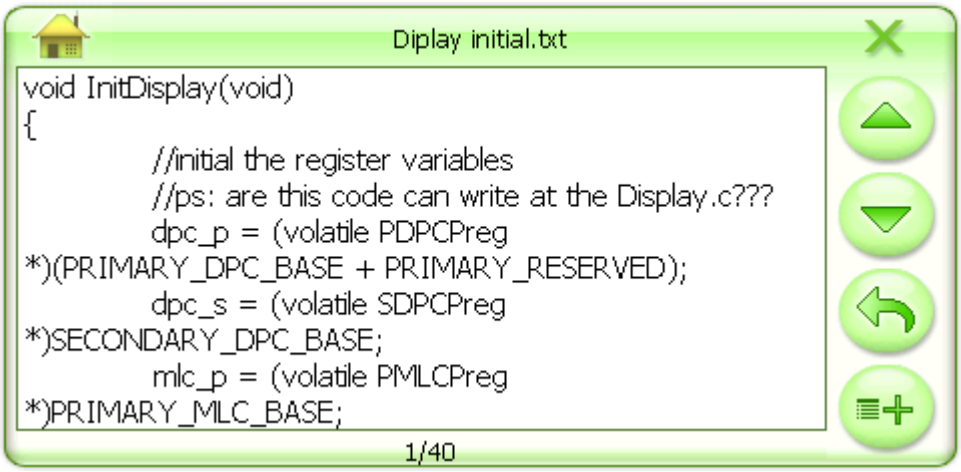
click “ ”to last page；

click “ ”to next page；

click “ ” to page jump:



Input one number then click“ ”into the right page interface, as follows

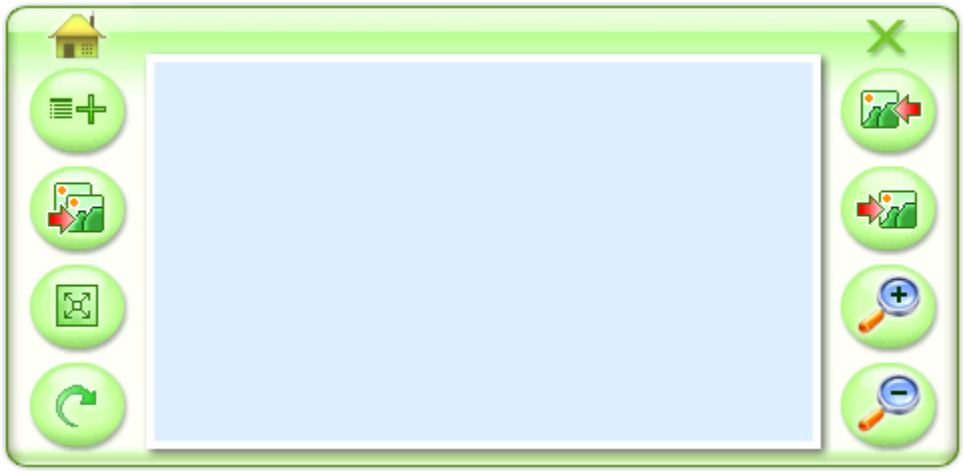


click“ ”exit“Text Viewer” interface

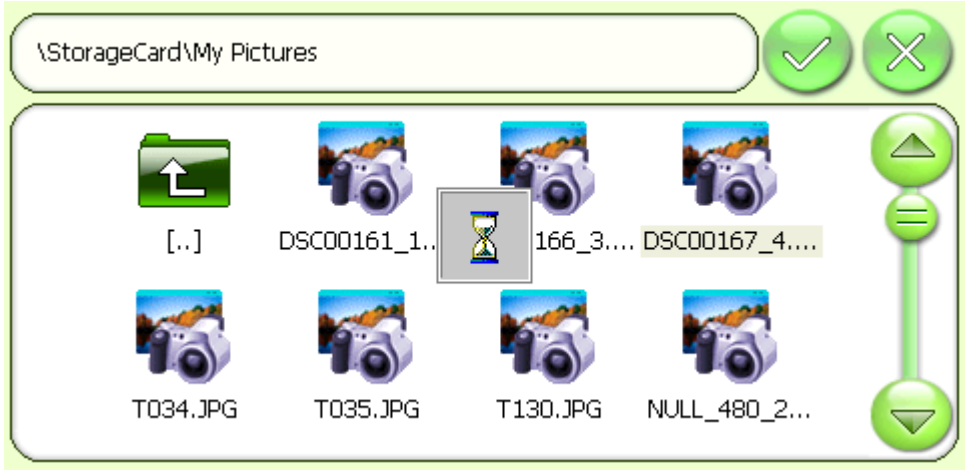
7.5 Image viewer interface：

- At main screen menu，as follows：

click“ ” to enter image viewer，as follows：



click“ ”，to choose image file rout, into the interface as follows:



Choose the image file, click“ ”or double click file name, back to“Image Viewer” as follows

Others icon function as following：

click“ ”to full screen

click “ ” to scan last image；

click “ ” to scan next image ；

click “ ” to slide scan mode；

click “ ” to zoom out

click “ ” to zoom in

click “ ” to circle the image left 90 degree

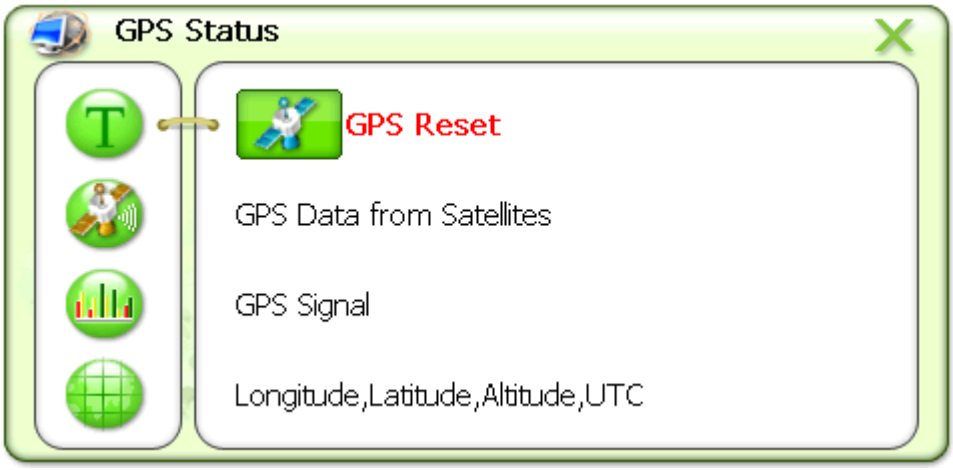
click “ ” to exit “Image Viewer”

7.6 GPS monitor：

- At console as following picture：

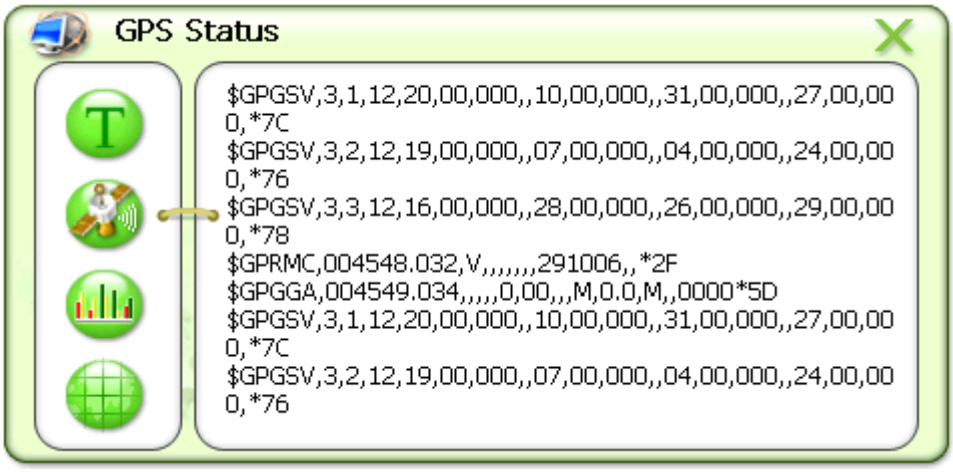
◆ click“ 选项 ” into setting， there are 10 icons as following picture：

◆ click GPS monitor “ ” enter to GPS monitor interface，as following picture：

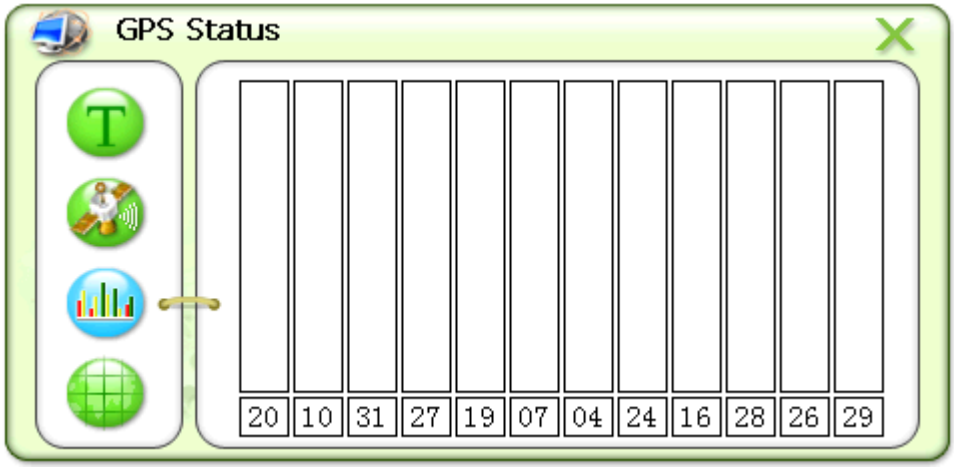


1、click“ ”， to reposit the GPS monitor data stream

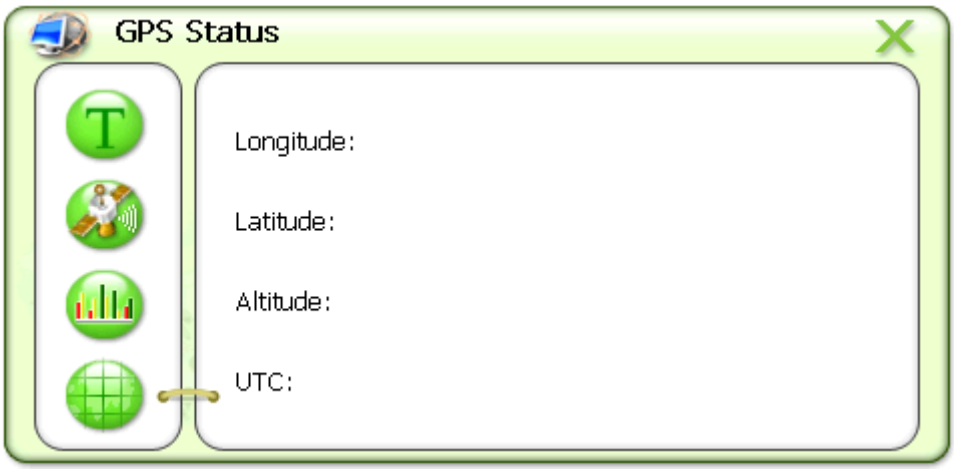
2、click“ ”，to enter to satellite data interface as follows：



3、click“ ”，to enter the GPS status. as follows：



4、click“ ”，to enter to the interface about longitude., latitude as follows：



Click “ ” to go back to the setting interface。

Note: The GPS devices should be placed in the open sky, or no signle as can be received.

7.7 language Setting：

- In the setting interface as follows：

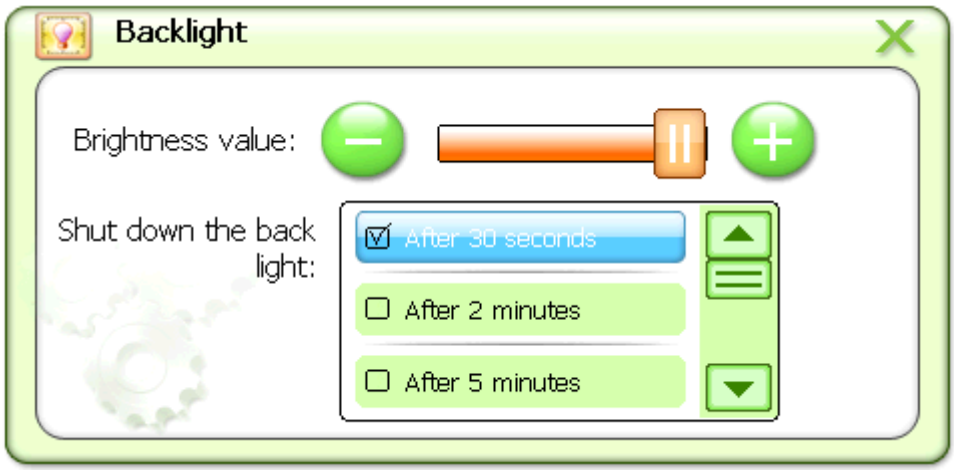
◆ click“ ” to enter to interface about language option，

After language setting, click “ ” to back interface about setting interface；

7.8 Brightness setting：

◆ in system setting interface, as following picture

◆ click“ ”enter to brightness setting interface, as follows

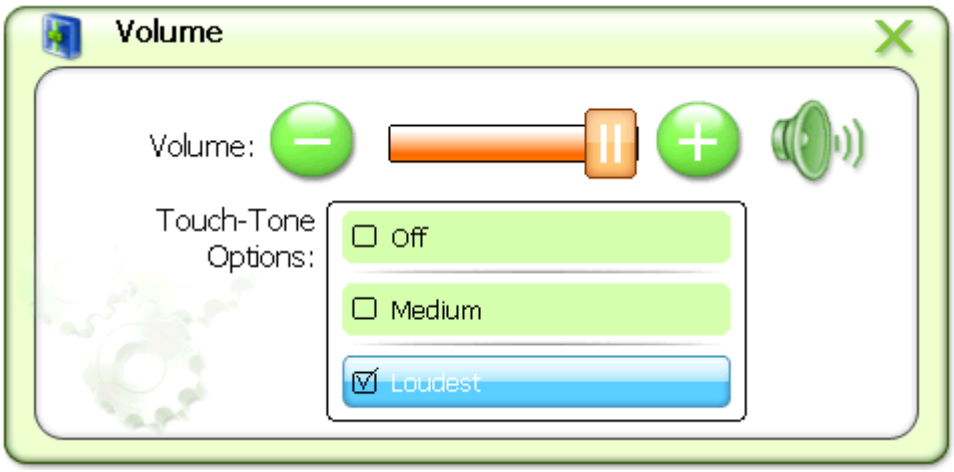


Can set brightness and time to turn off background light,click“ ”back to setting interface；

7.9 volume setting：

◆ in setting interface as follows：

◆ choose“ ”to enter to volume adjust interface, as follows:



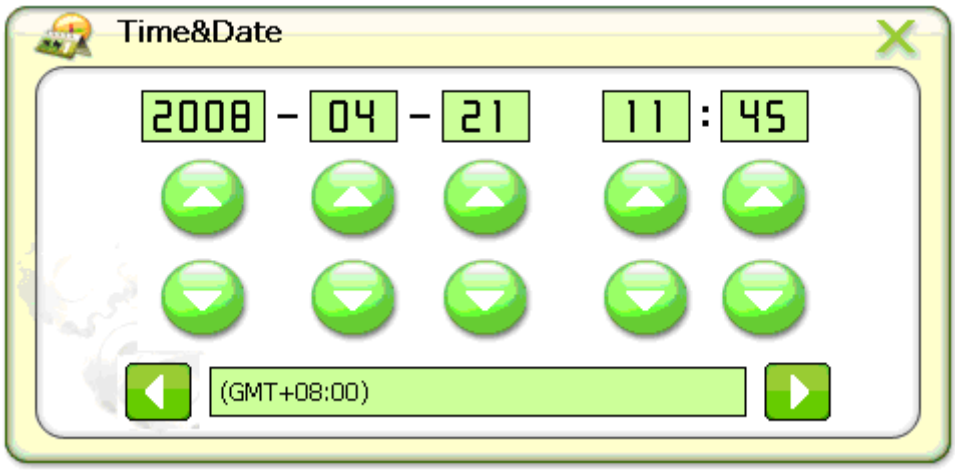
You can set volume on/ mute, key click and screen click volume；

click“ ”to go back to system interface.

7.10 Time setting

◆ In system setting interface as follows

◆ choose“ ”to enter to time setting interface



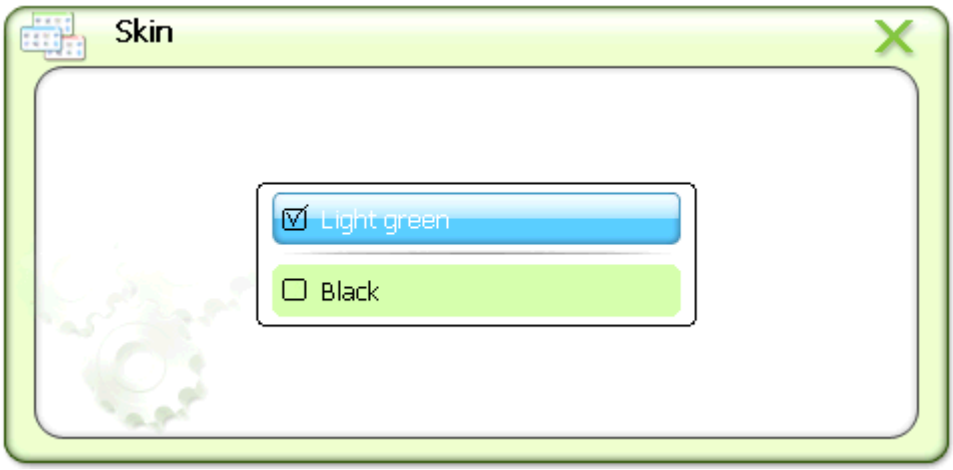
Click which need to reverse, then click up and down key to set time and date

click“ ”can set the right time area；

click“ ”to go back to system setting interface。

7.11 **Skin setting** ：

click“ ”to enter the skin setting interface



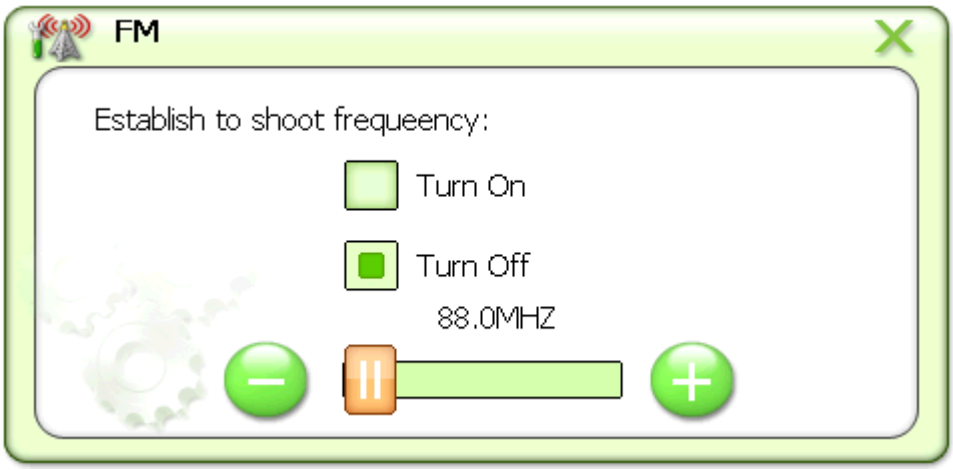
Choose the style you like, then click“ ”to go

back to system setting interface。

7.12 FM SETTING INTERFACE：

- In system setting interface ,as follows：

- click“ ”to enter to FM setting interface, as follows:



To point "Establish to shoot frequency"for"turn on"or"turn off", click" " and" " to adjust frequency, after adjusting to click " "exit, then adjust the car FM radio to the same frequency, the car speaker can receive the audio signal from GPS navigator.

7.13 Touch calibration：

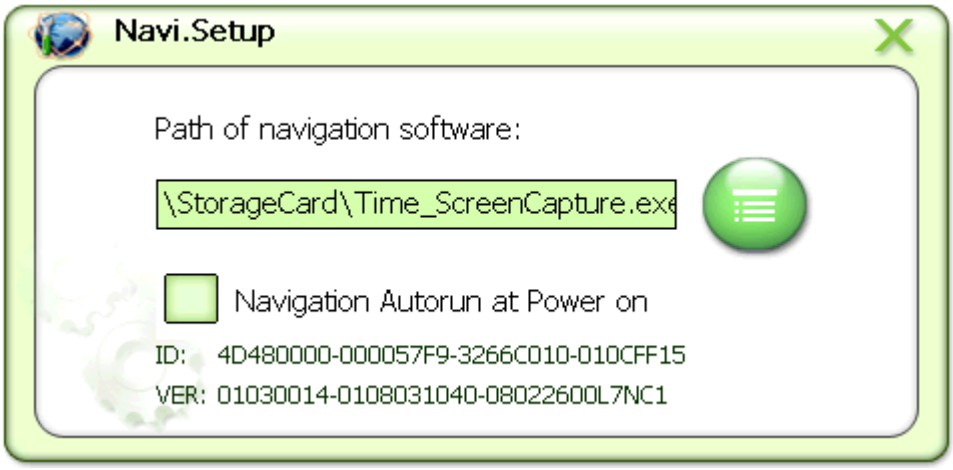
- At setting interface，click" "into screen calibrating interface. According to register, do not press the center cursor until the calibrate cursor move onto top-left corner; the same way to calibrate down-left corner, down-right corner, top-right corner. If the screen calibration does not success, it would go in the calibrate interface again. If does well, it will show "OK". Pressing any point to save, then exit. Screen calibration will finish. The result can be memorized, whether the power is still on or not(may not calibrate every time when the power is off, yet it must be calibrated well before leaving factory.)。

7.14 NAVIGATION SOFTWARE：

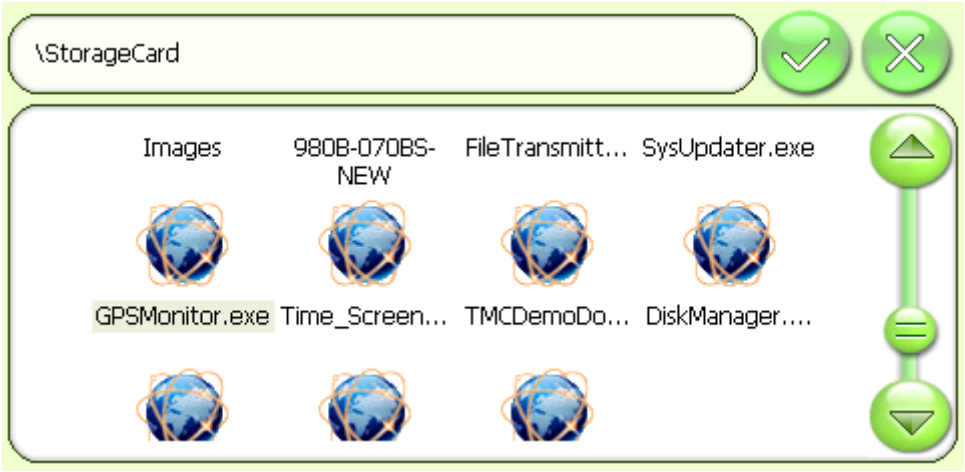
- Insert the SD card with navigation software, on the main interface as followis

click“ ” to enter to setting interface as follows：

Click navigation setup “ ” as follows：：



Click“ ”as follows

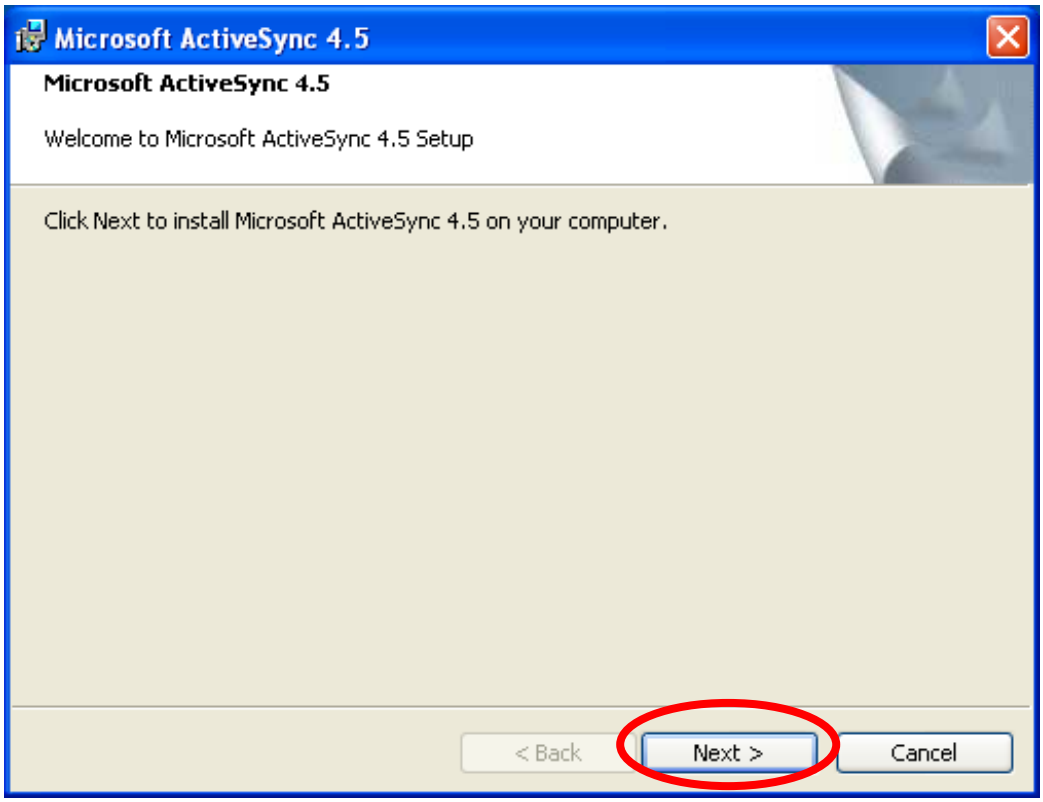


Choose navigation software, click ” to go back console as follows

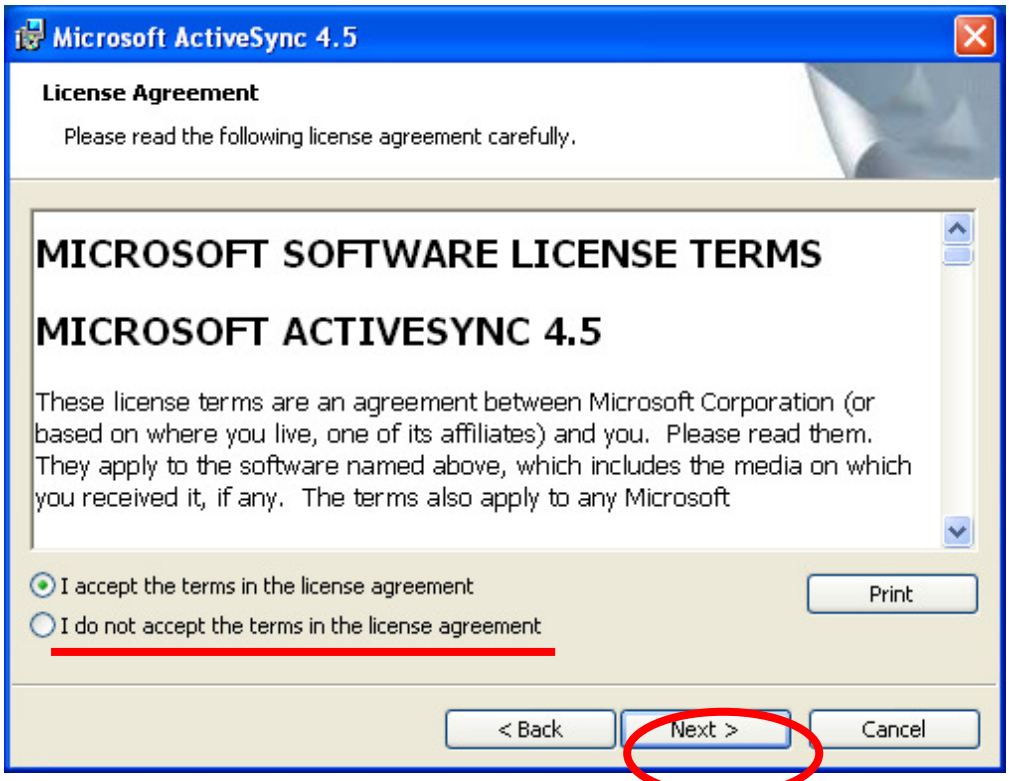
click“ ” to enter to navigation interface，please refer to the navigation software operation instruction.

7.15 USB software active-sync.

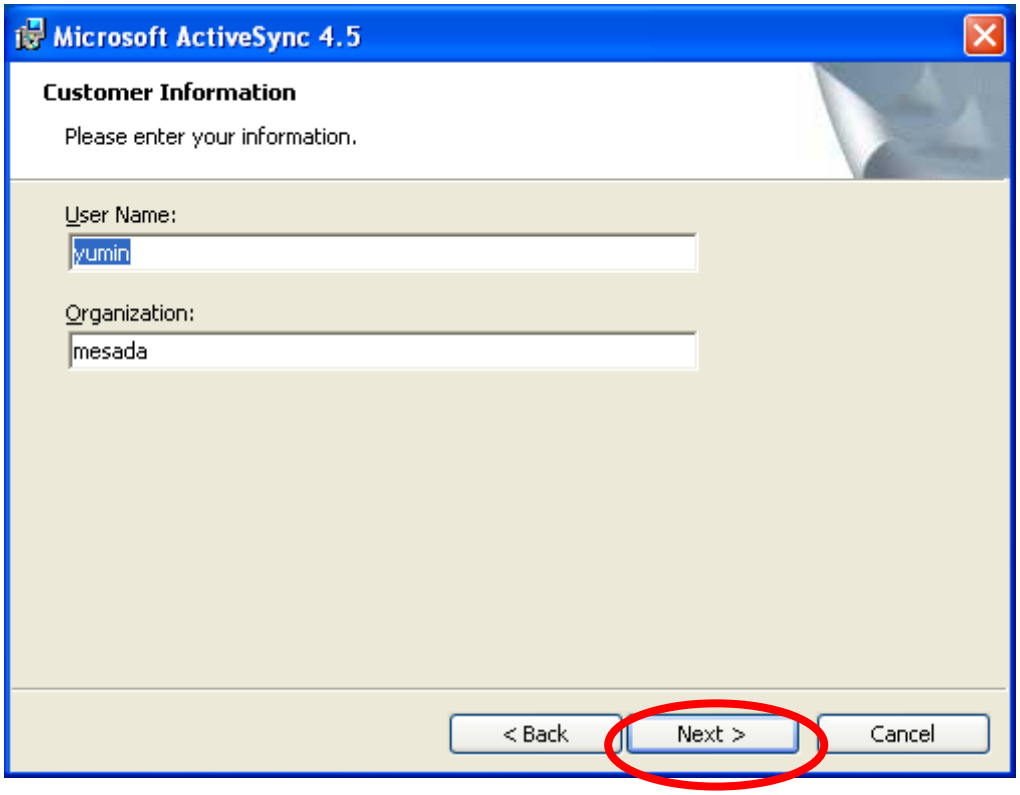
dblclick “ActiveSync4.5EN.msi” ”get into installation


Microsoft ActiveSync 4.5
Microsoft ActiveSync 4.5
Welcome to Microsoft ActiveSync 4.5 Setup
Click Next to install Microsoft ActiveSync 4.5 on your computer.
< Back
Next >
Cancel

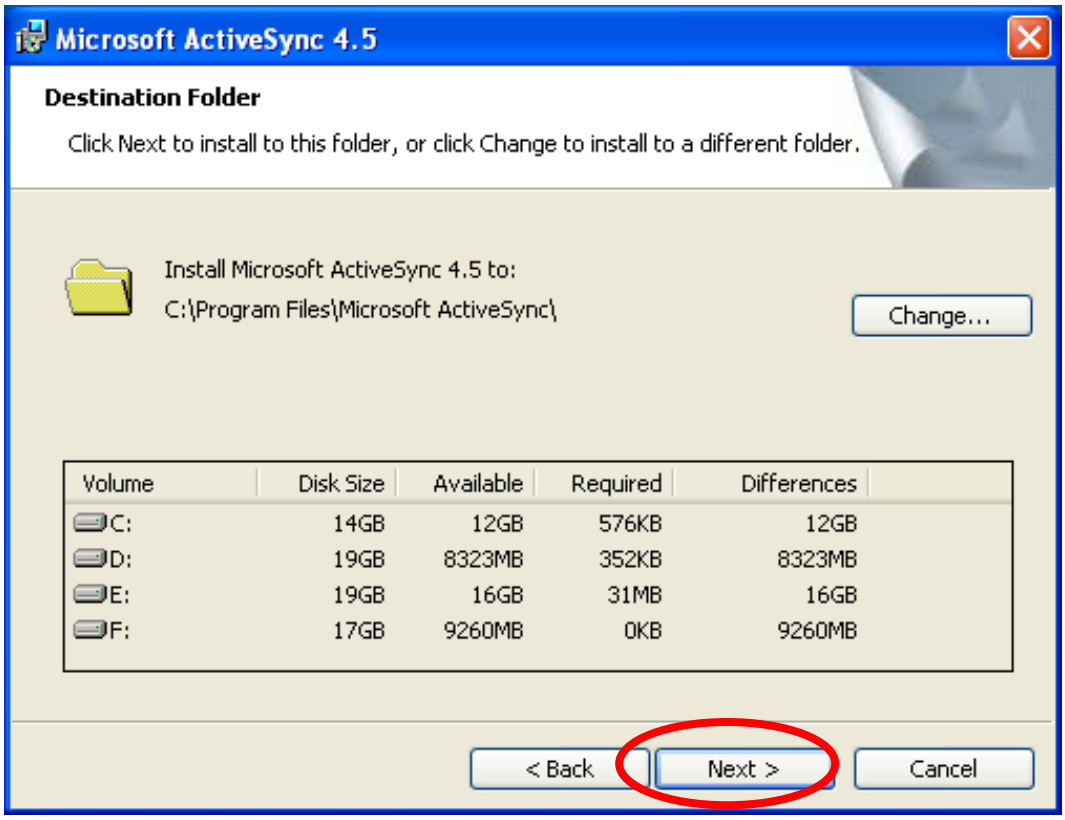
choose “Accept” and click “Next”


Microsoft ActiveSync 4.5
License Agreement
Please read the following license agreement carefully.
MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT ACTIVESYNC 4.5
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
< Back
Next >
Cancel

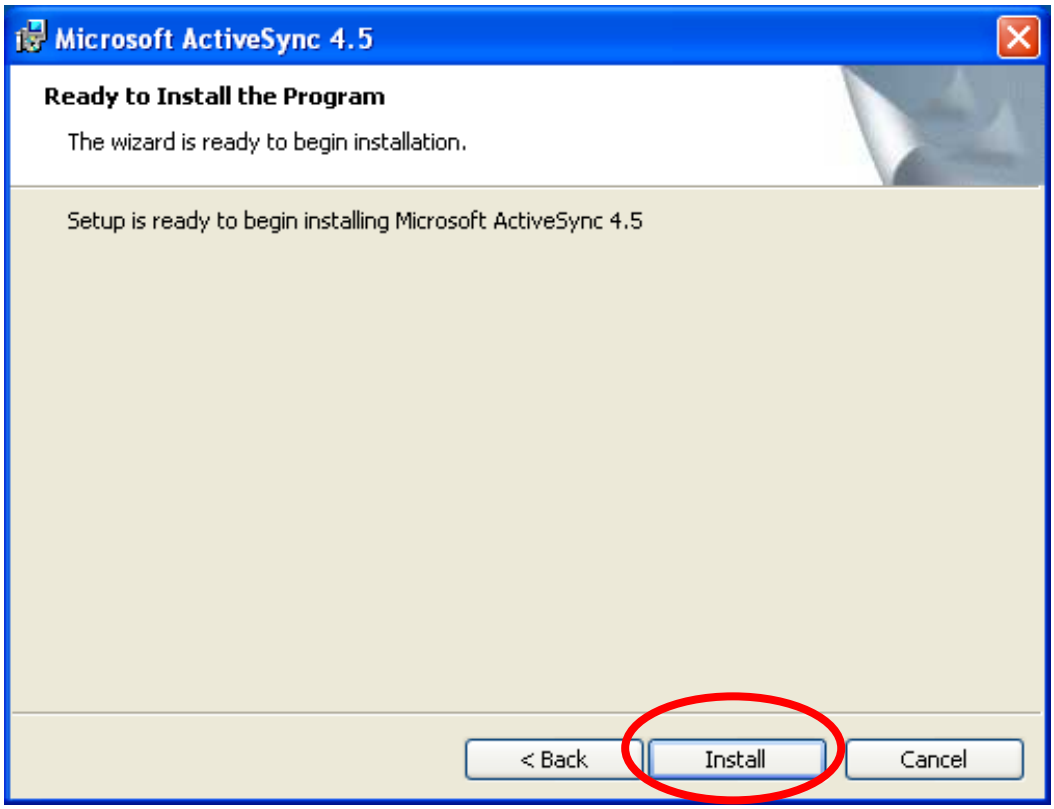
click “Next”



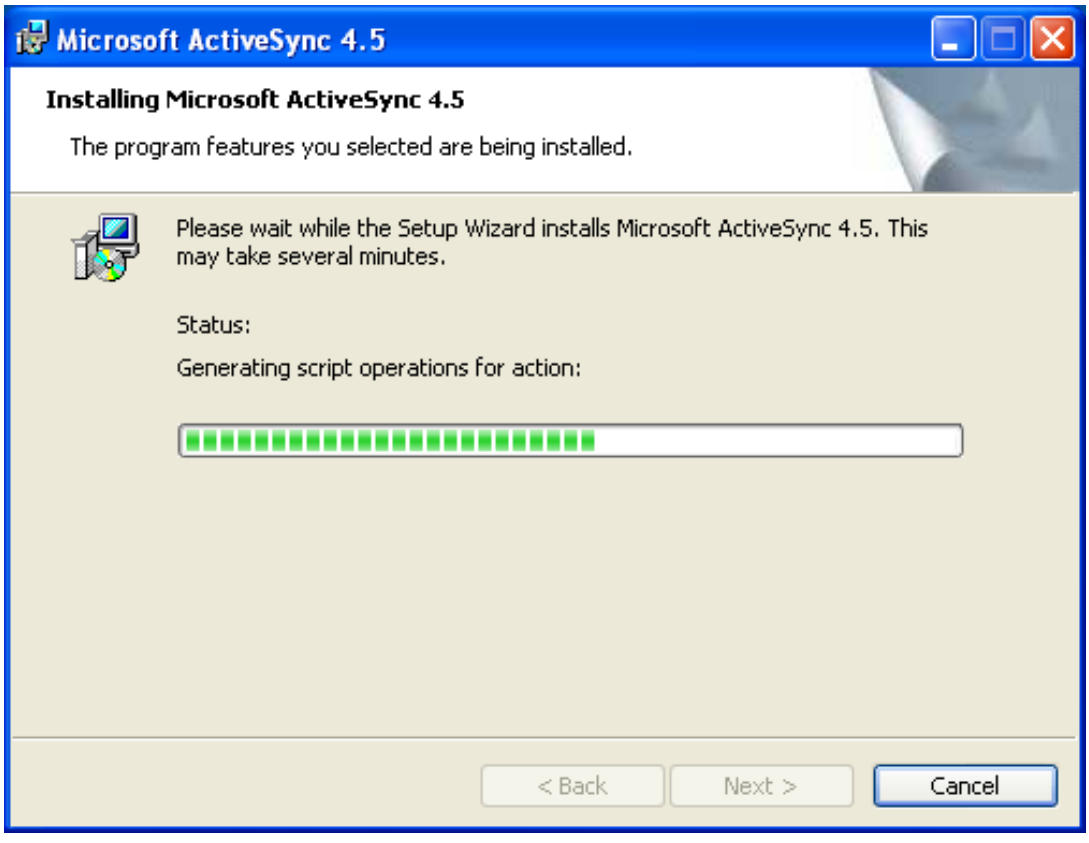
click “Change…” to choose the install path or click “Next” to install by acquiescence path and go to next;



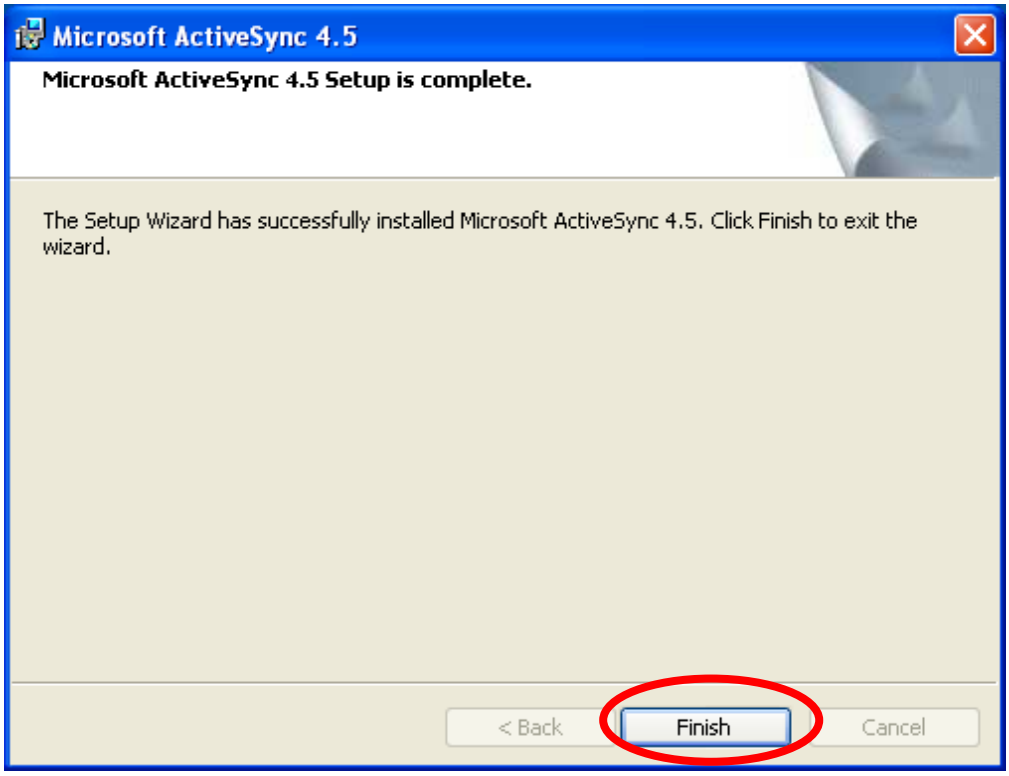
click “Install”


Microsoft ActiveSync 4.5
Ready to Install the Program
The wizard is ready to begin installation.
Setup is ready to begin installing Microsoft ActiveSync 4.5
< Back
Install
Cancel

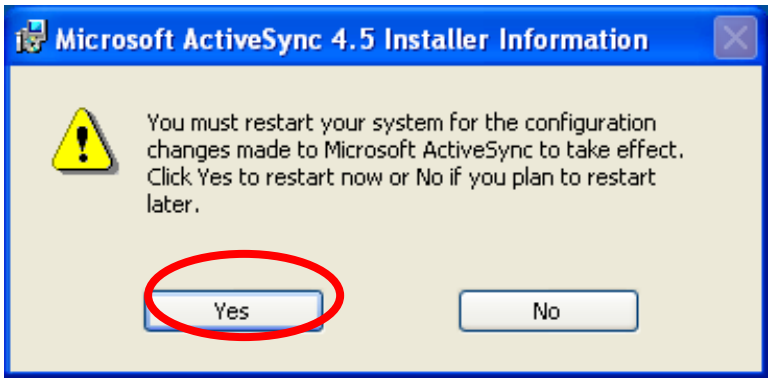
waiting


Microsoft ActiveSync 4.5
Installing Microsoft ActiveSync 4.5
The program features you selected are being installed.
Please wait while the Setup Wizard installs Microsoft ActiveSync 4.5. This may take several minutes.
Status:
Generating script operations for action:
< Back
Next >
Cancel

click “Finish”

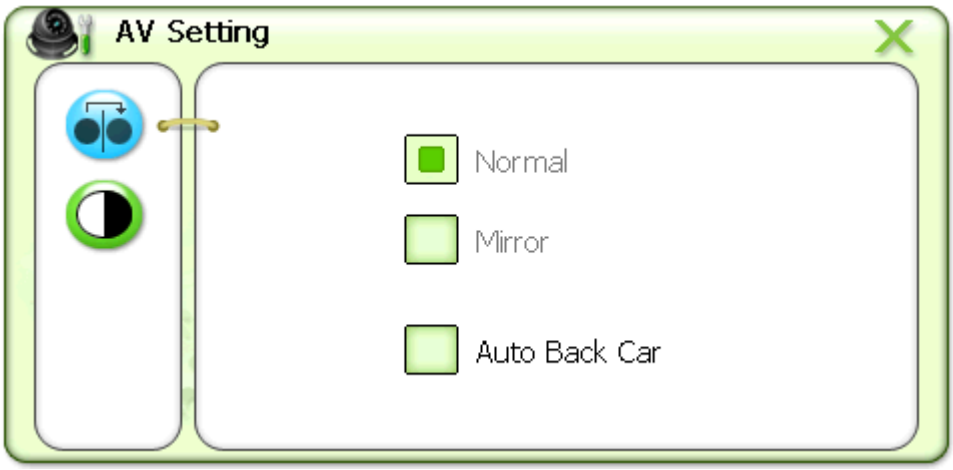

Microsoft ActiveSync 4.5
Microsoft ActiveSync 4.5 Setup is complete.
The Setup Wizard has successfully installed Microsoft ActiveSync 4.5. Click Finish to exit the wizard.
< Back
Finish
Cancel

Click ”Yes” reboot your computer


Microsoft ActiveSync 4.5 Installer Information
You must restart your system for the configuration changes made to Microsoft ActiveSync to take effect. Click Yes to restart now or No if you plan to restart later.
Yes
No

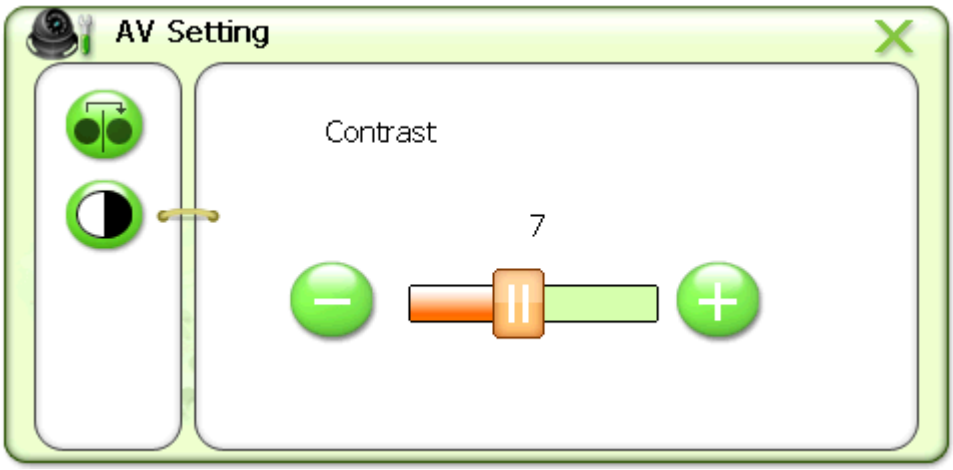
7.16 AV-IN introduction：

- The system have AV-IN auto-check function, in the system interface, click AV setting“ ”into AV video setting interface:



Choose “auto-back a car ”exit then save the setting；

Click AV setting“ ”icon, can show the contrast, as follows：



This time, if only navigator AV input has AVIN signal, system will enter the video interface, during this progress any key no working, and finish back car will back to navigation interface.

- Back car vedio only effect on navigator working or sleeping time, not work when power off ； so please dont turn off the navigator, and only need to press “power”to sleeping, when off the car, no need to power off

7.17 Setting introduction：

- In main screen interface. click“ ”enter AV mode interface, connect the CVBS and AUDIO to the input seat, the interface will change to external AV input signal.
- **AV setting**

In AV mode interface, click anywhere in the screen ,the system will come out the OSD setting Manu, can set from left to right

- **AV/GPS mode change**
  You can choose the GPS mode and AV mode in function option
- **Brightness setting**
  Press “+、-”，to adjust brightness
- “**Lcd contrast**”: click the submenu to adjust LCD contrast, click the "+" to enhance contrast and click the "-" to diminish contrast.
- **color saturation**
  press “+、-”，to adjust color saturation
- **AV color setting**
  press“+、-”，to adjust the color
- **proportion of video display and language of menu**
  proportion of video displayis16：9、4：3；language of menu is Chinese and English

7.18 indicate light：

- The red is the battery charge pilot, glows in red to indicate that battery charge is in progress and in green when the battery is fully charged。

7.19 Key function：

- Long press“**POWER**”（3s）to open or close system, short-press “**POWER**”into sleeping or arouse

8 PRECAUTION

- The device should be kept in the environment in which high temperature, dewiness, and more dust are not allowed.
- Avoiding pressing the items when delivery
- GPS antenna should be placed flat and face to sky
- Connecting external antenna out of the car if the car has been installed with metal sticks
- The icon frame shows orange when being chosen; the icon shows orange after pitching the icon.
- All marked "choice", clients make a choice by themselves, otherwise they will be inconsistent with the machines.